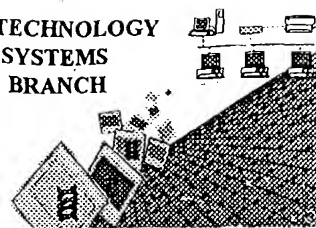


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

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Application Serial Number: 10/620,052
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Revised 10/08/03



/Fwo II

RAW SEQUENCE LISTING

DATE: 01/15/2004

PATENT APPLICATION: US/10/620,052

TIME: 10:08:38

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3 <110> APPLICANT: Hitoshi, Yasumichi
4 Jenkins, Yonchu
5 Markovtsov, Vadim
6 Rigel Pharmaceuticals, Inc.
8 <120> TITLE OF INVENTION: Modulators of Cellular Proliferation
10 <130> FILE REFERENCE: 021044-004010US
12 <140> CURRENT APPLICATION NUMBER: US 10/620,052
13 <141> CURRENT FILING DATE: 2003-07-14
15 <150> PRIOR APPLICATION NUMBER: US 60/395,443
16 <151> PRIOR FILING DATE: 2002-07-12
18 <160> NUMBER OF SEQ ID NOS: 78
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PATENT APPLICATION: US/10/620,052

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77 <223> OTHER INFORMATION: protein kinase C, zeta (PKC-zeta), atypical

78 protein kinase C isoform

80 <400> SEQUENCE: 2

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93 Gly Asp Pro Cys Thr Val Ser Ser Gln Met Glu Leu Glu Glu Ala Phe
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96 Arg Leu Ala Arg Gln Cys Arg Asp Glu Gly Leu Ile Ile His Val Phe
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99 Pro Ser Thr Pro Glu Gln Pro Gly Leu Pro Cys Pro Gly Glu Asp Lys
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103 115 120 125
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115 180 185 190
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DATE: 01/15/2004

PATENT APPLICATION: US/10/620,052

TIME: 10:08:38

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127      245      250      255
129 Val Ile Gly Arg Gly Thr Tyr Ala Lys Val Leu Leu Val Arg Leu Lys
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132 Lys Asn Asp Gln Ile Tyr Ala Met Lys Val Val Lys Lys Glu Leu Val
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178      515      520      525
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DATE: 01/15/2004

PATENT APPLICATION: US/10/620,052

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RAW SEQUENCE LISTING

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PATENT APPLICATION: US/10/620,052

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286 Gly Phe Phe Phe Tyr Trp Thr Asp Gln Asn Lys Glu Thr Glu Leu Leu
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290 65 70 75 80
292 Pro Lys Asp Pro Lys Leu Arg Glu Leu Leu Asp Val Gly Asn Ile Gly
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298 Asn Ile Ser His Leu Asn Leu Val Ala Phe Gln Glu Glu Val Ala Lys
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ctctgtttgt ggggtgacgg gactcaggcg ggacagtgtt gcagctccct ggcttctgtg 2040
gggcccctca cctacttacc cagggtgggtc ccggtctgtt ggggtgatgg gaggggcatt 2100
gctgactgtg tatataggat aattatgaaa agcagttctg gatggtgtgc cttccagatc 2160
ctctctgggg ctgtgttttg agcagcaggt agcctgctgg ttttatctga gtgaaatact 2220
gtacagggga ataaaagaga tcttattttt ttttttatac ttggcgtttt ttgaataaaa 2280
accttttgtc ttaaaac 2297

```

see
 p. 7
 for error
 exploration

7

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/620,052

DATE: 01/15/2004
TIME: 10:08:39

Input Set : A:\-40-1.app
Output Set: N:\CRF4\01152004\J620052.raw

*error
explanation*

ase Note:

of n and/or Xaa have been detected in the Sequence Listing. Please review the
uence Listing to ensure that a corresponding explanation is presented in the <220>
<223> fields of each sequence which presents at least one n or Xaa.

#:21; N Pos. 1896,1897,1898,1899,1900,1901,1902,1903,1904,1905,1906

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/620,052

DATE: 01/15/2004

TIME: 10:08:39

Input Set : A:\-40-1.app

Output Set: N:\CRF4\01152004\J620052.raw

285 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:21
285 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:21
285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:1860